CLAIMS

What is claimed is:

1. In a source computer system, a method for transferring data over a computer system network, said method comprising the steps of:

a) receiving an incoming request for data resident in a mass storage unit on said source computer system;

b) authenticating said incoming request;

c) spawning a session thread that reads and parses a command received via said incoming request, said command for sending said data over said computer system network to a second computer system;

d) writing at least a part of said data into a first data block buffer;

e) compressing said part of said data in said first data block buffer into a compressed data block that is written to a second data block buffer;

f) encrypting said compressed data block in said second data block buffer into an encrypted and compressed data block that is written to a third data block buffer; and

g) sending said encrypted and compressed data block to said second computer system over said computer system network.

2. The method of Claim 1 comprising the step of:

verifying that data transfer to said second computer system is complete.

3. The method of Claim 1 comprising the step of:

verifying that data transfer to said second computer system is without error.

4. The method of Claim 1 wherein said computer system network is the Internet.

5. The method of Claim 1 wherein said data comprises data processed by an analytic application.

6. The method of Claim 1 wherein said incoming request uses Extensible Markup Language (XML).

7. The method of Claim 1 wherein said step c) comprises the steps of:

translating said command into a plurality of tasks;

storing said tasks in a task table in a given order; and

executing said tasks in order until a task ending said session thread is found.

8. The method of Claim 1 wherein said first data block buffer and said second data block buffer are substantially equal in size and wherein said step e) comprises the step of:

accumulating compressed data blocks before data are written to said second data block buffer, wherein enough compressed data blocks are accumulated to fill said second data block buffer.

9. The method of Claim 1 wherein said second data block buffer and said third data block buffer are substantially equal in size and wherein said step f) comprises the step of:

accumulating encrypted and compressed data blocks before data are written to said third data block buffer, wherein enough encrypted and compressed data blocks are accumulated to fill said third data block buffer.

10. The method of Claim 1 comprising the steps of:

restoring a connection with said second computer system when an ongoing connection is lost; and

resuming transfer of data to said second computer system at the point in said data where said ongoing connection was lost.

11. In a target computer system, a method for receiving data transferred over a computer system network, said method comprising the steps of:

a) issuing a request for data to a source computer system on which said data resides;

b) spawning a session thread in response to a message from said source computer system;

c) receiving from said source computer system at least one encrypted and compressed data block of said data, said encrypted and compressed data block transferred over said computer network;

d) writing said encrypted and compressed data block to a first data block buffer;

e) decrypting said encrypted and compressed data block into a compressed data block that is written to a second data block buffer; and

f) decompressing said compressed data block in said second data block buffer and writing a resultant data block to a third data block buffer.

12. The method of Claim 11 comprising the step of:

verifying that data transfer from said source computer system was complete.

13. The method of Claim 11 comprising the step of:

verifying that data transfer from said source computer system was without error.

14. The method of Claim 11 wherein said computer system network is the Internet.

15. The method of Claim 11 wherein said data comprises data processed by an analytic application.

16. The method of Claim 11 wherein said step e) comprises the step of:

accumulating encrypted and compressed data blocks before data decryption is performed.

17. The method of Claim 11 wherein said step f) comprises the step of:

accumulating compressed data blocks before data decompression is performed.

18. The method of Claim 11 comprising the steps of:

restoring a connection with said source computer system when an ongoing connection is lost; and

resuming transfer of data from said source computer system at the point in said data where said ongoing connection was lost.

19. A source computer system comprising:

a bus;

a memory unit coupled to said bus; and

a processor coupled to said bus, said processor for executing a method for transferring data over a computer system network, said method comprising the steps of:

a) receiving an incoming request for data resident in a mass storage unit on said source computer system;

b) authenticating said incoming request;

c) spawning a session thread that reads and parses a command received via said incoming request, said command for sending said data over said computer system network to a second computer system;

d) writing at least a part of said data into a first data block buffer;

e) compressing said part of said data in said first data block buffer into a compressed data block that is written to a second data block buffer;

f) encrypting said compressed data block in said second data block buffer into an encrypted and compressed data block that is written to a third data block buffer; and

g) sending said encrypted and compressed data block to said second computer system over said computer system network.

20. The source computer system of Claim 19 wherein said method comprises the step of:

verifying that data transfer to said second computer system is complete.

21. The source computer system of Claim 19 wherein said method comprises the step of:

verifying that data transfer to said second computer system is without error.

22. The source computer system of Claim 19 wherein said computer system network is the Internet.

23. The source computer system of Claim 19 wherein said data comprises data processed by an analytic application.

24. The source computer system of Claim 19 wherein said incoming request uses Extensible Markup Language (XML).

25. The source computer system of Claim 19 wherein said step c) of said method comprises the steps of:

translating said command into a plurality of tasks;

storing said tasks in a task table in a given order; and

executing said tasks in order until a task ending said session thread is found.

26. The source computer system of Claim 19 wherein said first data block buffer and said second data block buffer are substantially equal in size and wherein said step e) of said method comprises the step of:

accumulating compressed data blocks before data are written to said second data block buffer, wherein enough compressed data blocks are accumulated to fill said second data block buffer.

27. The source computer system of Claim 19 wherein said second data block buffer and said third data block buffer are substantially equal in size and wherein said step f) of said method comprises the step of:

accumulating encrypted and compressed data blocks before data are written to said third data block buffer, wherein enough encrypted and compressed data blocks are accumulated to fill said third data block buffer.

28. The source computer system of Claim 19 wherein said method comprises the steps of:

restoring a connection with said second computer system when an ongoing connection is lost; and

resuming transfer of data to said second computer system at the point in said data where said ongoing connection was lost.

29. A target computer system comprising:

a bus;

a memory unit coupled to said bus; and

a processor coupled to said bus, said processor for executing a method for receiving data transferred over a computer network, said method comprising the steps of:

a) issuing a request for data to a source computer system on which said data resides;

b) spawning a session thread in response to a message from said source computer system;

c) receiving from said source computer system at least one encrypted and compressed data block of said data, said encrypted and compressed data block transferred over said computer network;

d) writing said encrypted and compressed data block to a first data block buffer;

e) decrypting said encrypted and compressed data block into a compressed data block that is written to a second data block buffer; and

f) decompressing said compressed data block in said second data block buffer and writing a resultant data block to a third data block buffer.

30. The target computer system of Claim 29 wherein said method comprises the step of:

verifying that data transfer from said source computer system was complete.

31. The target computer system of Claim 29 wherein said method comprises the step of:

verifying that data transfer from said source computer system was without error.

32. The target computer system of Claim 29 wherein said computer system network is the Internet.

33. The target computer system of Claim 29 wherein said data file comprises data processed by an analytic application.

34. The target computer system of Claim 29 wherein said step e) of said method comprises the step of:

accumulating encrypted and compressed data blocks before data decryption is performed.

35. The target computer system of Claim 29 wherein said step f) of said method comprises the step of:

accumulating compressed data blocks before data decompression is performed.

36. The target computer system of Claim 29 wherein said method comprises the steps of:

restoring a connection with said server computer system when an ongoing connection is lost; and

resuming transfer of data from said server computer system at the point in said data where said ongoing connection was lost.